# 6. Narrative Description and Swimlane Diagram of Use Cases

**Use Cases Narrative Description (On the Left) and Swimlane Diagram(On the Right):**

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| **Use Case Name** | **Log in with account credentials** |
| Related Requirements | A2 |
| Goal in Context | Login request is done by user, and password will be checked from data base of the hosted server. |
| Preconditions | User has pre-registered in the website with a valid credentials |
| Successful End Condition | login request is accepted, and user has access to the home page of the website. |
| Failed End Condition | login request is rejected, and user will be asked to re-enter his password related to the email that he wrote. |
| Primary Actors | User. |
| Secondary Actors | User Credentials Database |
| Trigger | user clicks on login |
| Included Cases | **Check credentials.** |
| Main Flow | |  |  | | --- | --- | | Step  1 | Action  User clicks on login | | 2 | User enters his email and password and request login. | | 3 **Include: check credentials:** | password and email are verified from data base of server. | | 4 | The login request is accepted, and user has the access to the home page of the website. | |
| Extensions | * 1. Log in using Google credentials.   2. **Include: check credentials**   2.3 The credentials accepted. |

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| **Use Case Name** | **Check Credentials** |
| Related Requirements | A1 |
| Goal in Context | User credentials are checked on the data base of the hosted server. |
| Preconditions | User has appropriate credentials. |
| Successful End Condition | The credentials are verified. |
| Failed End Condition | The credentials are not verified. |
| Primary Actors | User Credential Database |
| Trigger | The user credentials are provided to the system for verification. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | The credentials are provided to the system. | | 2 | The data base verifies the credentials. | | 3  4 | The system returns that the credentials are verified.  Precede to newsfeed page. | |
| Extensions | * 1. The system returns that the credentials are invalid   2. reject log-in request |

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| **Use Case Name** | **Sign Up** |
| Related Requirements | A1 |
| Goal in Context | User provide his details and they will be validated by the system. |
| Preconditions | The user has provided appropriate details. |
| Successful End Condition | A new account is created with user credentials. |
| Failed End Condition | User has provided non-appropriate details. |
| Primary Actors | User |
| Secondary Actors | User credentials database |
| Trigger | User clicks on sign-up and enters his/her details. |
| Included Cases | **Validate Data and Check Restrictions.** |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | User clicks on Sign-up. | | 2 | User enters his details and propose an email and a password. | | 3 **Include: Validate Data and Check Restrictions:** | The details are validated. | | 4 | A new account is created | |

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| **Use Case Name** | **Validate Data and Check Restrictions** |
| Related Requirements | A1 |
| Goal in Context | User provided details in the sign-up page are validated and checked against restrictions (on age, …etc.). |
| Preconditions | User details meet requirements of validations and restrictions. |
| Successful End Condition | System returns that the user details are approved. |
| Failed End Condition | The sign-up request is rejected. |
| Primary Actors | User Credential Database |
| Trigger | The details are provided to the server to be checked. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | The server validates the info and check restrictions. | | 2  3 | System returns that the details are verified.  Create an accout. | |
| Extensions | 2.1 The data is invalid.  2.2 Reject sign-up request. |

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| **Use Case Name** | **Log Out** |
| Related Requirements | A16 |
| Goal in Context | user can end his session on the website. |
| Preconditions | User is signed in. |
| Successful End Condition | User is signed out of the system and redirected to the log-in page. |
| Failed End Condition | log out is failed and user is still in the home page of the website. |
| Primary Actors | User. |
| Trigger | User clicks on log-out. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | User clicks on log out icon in the home page navigation bar. | | 2 | The session is ended. | | 3 | user will be got off home page and login page will appear. | |

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| **Use Case Name** | **Write a New Post** |
| Related Requirements | A3 |
| Goal in Context | write a post contains a text and host it in database of home page of the website in the hosted server. |
| Preconditions | user has access to the home page and has a good connection to the internet. |
| Successful End Condition | post is uploaded and appear on the newsfeeds and target destination. |
| Failed End Condition | upload of post is failed. |
| Primary Actors | User. |
| Trigger | User clicks on writes a post section. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | The user opens the home page. | | 2 | user goes to the write post. | | 3 | Choose where the post will be published (in his account page, or in a friend’s or in a group) | | 3 | click on the post submit button. | | 4 | the post will be uploaded and appear on newsfeeds/homepage | |

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| **Use Case Name** | **Browse Posts** |
| Related Requirements | A7, A12 |
| Goal in Context | a user will browse the posts from friends, groups, and pages. |
| Preconditions | Newsfeed has posts from friends, groups, or pages. |
| Successful End Condition | the user sees the post in newsfeed. |
| Failed End Condition | the user has no posts to be shown from friends, groups, or pages. |
| Primary Actors | A user |
| Trigger | A user clicks on newsfeed button. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | User goes to the newsfeed page using navigation bar. | | 2 | The user scrolls and browse posts. | |
| Extensions | - User likes the post by clicking “Like Button”.  - User shares the post by clicking “Share Button”.  - User comments on the post by clicking “Comment”.  - User saves the post by clicking “Save”. |

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| **Use Case Name** | **Create a Page or a Group** |
| Related Requirements | A8 |
| Goal in Context | A user can create a page or a group. |
| Preconditions | The platform provides a way to create a page or a group. |
| Successful End Condition | The user can create the page or group successfully. |
| Failed End Condition | The creation is failed. |
| Primary Actors | A user. |
| Trigger | a user goes to the pages section and tries to create a page or group. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | The user opens the create section from the home page | | 2 | Then user will click on the create a page/group button. | | 3 | Information of the created page or group will be saved in the database server. | | 4 | The page or group is created. | |

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| **Use Case Name** | **Add friend** |
| Related Requirements | A4 |
| Goal in Context | user will be a friend for another user |
| Preconditions | Target user has an account and is not already a friend. |
| Successful End Condition | A friend request is sent by the user to become friends with the other user and can see and interact with each other’s posts in newsfeeds and chat with each other. |
| Failed End Condition | add friend request rejected or user already friend. |
| Primary Actors | User |
| Trigger | a user clicks on add friend request button at another user profile. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | a user opens the profile page of the user he wants to add. | | 2 | User clicks on the add friend button and send request. | |
| Extensions | -2.1 add request is already sent and user can remove it.  -2.1 Target user is already a friend, and user can unfriend him.  - 2.1 The other user has already sent a friend request, and the user can respond to it by either accept it or deny it. |

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| **Use Case Name** | **Open Chat with a Friend or Group of Friends** |
| Related Requirements | A6 |
| Goal in Context | communicating with friend/friends by messages |
| Preconditions | User and target/s are friends. |
| Successful End Condition | messages are sent successfully between the user and his friends |
| Failed End Condition | messages are failed to be sent between the user and his friends. |
| Primary Actors | User |
| Trigger | the user opens the chat box to send messages to his friend/group of friends. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | User open chat page from navigation bar. | | 2 | the user will open a chat box of user/group he wants to chat with. | | 3 | user will write a message. | | 4 | then click on the send button. | |

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| **Use Case Name** | **Interact with a Group** |
| Related Requirements | A10 |
| Goal in Context | User to be directed to a group page and do all sort of actions which include: join, cancel join request, and leave. |
| Preconditions | The user can see the group that he wants to interact with. |
| Successful End Condition | User is directed to the group page and the interactions with the group is fulfilled. |
| Failed End Condition | User request to interact with the group is failed. |
| Primary Actors | The user |
| Trigger | User clicks on the group name in the search page or in newsfeed page. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1  2  3 | User searches for a group.  User open the group.  User Chooses the desired action. | |

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| **Use Case Name** | **Join a Group** |
| Related Requirements | A10 |
| Goal in Context | A user can send a join request to admin of a group. |
| Preconditions | User is logged in and he/she is not a group member. |
| Successful End Condition | the user can be a member in the group. |
| Failed End Condition | user join request is denied or failed. |
| Primary Actors | User |
| Trigger | a user sends a join request to a group admin. |
| Main Flow  Extensions | |  |  | | --- | --- | | Step | Action | | 1 | user opens the group page. | | 2  2.1 | the user sends a join request by clicking on the join button.  The user already sent a request and a cancel request button appears will cancel a join request on click. | |

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| **Use Case Name** | **Leave a Group** |
| Related Requirements | A10 |
| Goal in Context | A user can leave the group that he/she is a member in. |
| Preconditions | User is already a member in the group. |
| Successful End Condition | User membership is canceled and the join request option is showed. |
| Failed End Condition | user leave request is failed. |
| Primary Actors | User |
| Trigger | a user clicks on leave to a leave the group. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1  2 | User opens the group page  User clicks on the “Leave” button on the group page. | |

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| **Use Case Name** | **Visit and Interact with a Page** |
| Related Requirements | A10 |
| Goal in Context | User to be directed to a page to see its contents and do all sort of actions which include: follow and un-follow |
| Preconditions | The user can see the page that he wants to interact with. |
| Successful End Condition | User is directed to the page, or the interactions with the page is fulfilled. |
| Failed End Condition | User request to visit or interact with the page is failed. |
| Primary Actors | The user |
| Trigger | User clicks on the page name in the search or in newsfeed page. Or request to follow or unfollow. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | User searches for a page. | | 2 | User opens the page. | |
| Extensions | 3.1 user can follow the page.  3.1 user can un-follow the page. |

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| **Use Case Name** | **Search for User, Group, or Page** |
| Related Requirements | A9 |
| Goal in Context | user can search for any user, group or page on the platform. |
| Preconditions | The user knows the name of the user/ group/ page he wants to search for. |
| Successful End Condition | user can find the user/ group/ page he searched for. |
| Failed End Condition | user cannot find the user/ group page he searched for. |
| Primary Actors | A user. |
| Trigger | A user clicks on search box to find another user, page, or group |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | The user clicks on the search box on the navigation bar. | | 2  3 | The user writes the name of a user / page/ group he wants to search for  The user clicks search button. | | 4 | The user chooses one of the search result units. | |  |  | |  |  | |
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| **Use Case Name** | **Check Live Trends** |
| Related Requirements | A11 |
| Goal in Context | the user can see the top trends on the platform |
| Preconditions | the user on the home page |
| Successful End Condition | The user can see live trends and follow it and see posts about it. |
| Failed End Condition | the user will not be able to see the top trends. |
| Primary Actors | a user |
| Trigger | a user clicks on the top trends button. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | The user clicks on the check trends button in the navigation bar of the home page. | | 2 | The user will be able to see the top trends. | |

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| **Use Case Name** | **Interact with the Market Place** |
| Related Requirements | A14 |
| Goal in Context | user can publish a product in his marketplace section in his profile or remove a product. |
| Preconditions | marketplace is enabled. |
| Successful End Condition | the user published his product with its details and guests can see the product and ask him, or the removal of his product is done. |
| Failed End Condition | publishment of the product is failed, and friends of the user cannot see the product. Or the removal is failed. |
| Primary Actors | User |
| Trigger | User opens the marketplace and clicks on publish or remove product. |
| Main Flow  Extensions | |  |  | | --- | --- | | Step | Action | | 1 | A user opens his marketplace in the profile page. | | 2.1  2.2  2.1  2.2 | User add product.  user save changes.  User remove product.  user save changes. | |

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| **Use Case Name** | **Manage a Group (Respond to Requests)** |
| Related Requirements | A8 |
| Goal in Context | A group creator is authorized to manage a group (respond to join requests). |
| Preconditions | The group is created by the user who will manage it. |
| Successful End Condition | A group creator can manage the group |
| Failed End Condition | The group creator cannot manage the group |
| Primary Actors | A group admin. |
| Trigger | A group admin wants to respond to the join requests of the group. |
| Main Flow  Extensions | |  |  | | --- | --- | | Step | Action | | 1  2 | The admin of the group opens the group requests page.  The group admin Review the request | | 3 | The Admin will accept the request. |   3.1 Group Admin Refuse the request |
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| **Use Case Name** | **Manage a page (Give Administrations)** |
| Related Requirements | A8 |
| Goal in Context | A page creator is authorized to manage the page that he created. |
| Preconditions | The page is created by the user who will manage it. |
| Successful End Condition | A page creator/admin can manage the page |
| Failed End Condition | The page creator/admin cannot manage the page |
| Primary Actors | A page admin. |
| Trigger | A page admin wants to give credentials to another user to be an admin with him. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1  2 | The page admin opens the page settings.  Write name of member. | | 3 | Page admin gives administrations to the member. | |

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| **Use Case Name** | **Collect Statistics About the System** |
| Related Requirements | A15 |
| Goal in Context | Statistics of the system are gathered and can be accessed. |
| Preconditions | The Analyst is logged in with his credentials. |
| Successful End Condition | Various sorts of statistics are shown to the analyst. |
| Failed End Condition | Access to the statistics and their analysis is denied. |
| Primary Actors | Analyst |
| Trigger | Analyst request to receive statistics about the system. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | Analyst request the statistics he/she needs. | | 2 | Analyst Collect the data. | |

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| **Use Case Name** | **Check users' behavior and the reports** |
| Related Requirements | A15 |
| Goal in Context | System tracker can ban users, pages, or groups. |
| Preconditions | System tracker is logged in and performs a ban or request a report. |
| Successful End Condition | Ban action is fulfilled or the report is sent. |
| Failed End Condition | Ban is failed. |
| Primary Actors | System Tracker |
| Trigger | System Tracker performs a ban |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | System Tracker enter the unit id. | | 2 | Confirm the ban. | |

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| **Use Case Name** | **Change Account Settings** |
| Related Requirements | A13 |
| Goal in Context | Allow the user to change his account settings details (name, e-mail, password, …etc.) |
| Preconditions | User is logged in and provides appropriate data. |
| Successful End Condition | Account settings are verified and then settings details are changed. |
| Failed End Condition | Change is not validated and rejected. |
| Primary Actors | User |
| Trigger | User clicks on Change settings and provide new details which he/she wants to change. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | User clicks on more options sign on the navigation bar. | | 2 | User chooses “change settings” options. | | 3 | User enters his new details to be changed and clicks on save. | | 4 | System validates the entered data and change the data in the database. | |

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| **Use Case Name** | **Write a Post in the Page** |
| Related Requirements | A8 |
| Goal in Context | Page admin can post in his created page. |
| Preconditions | Page admin is on the created page. |
| Successful End Condition | Post is shown on the Page and is shown in the newsfeed of followers. |
| Failed End Condition | Post is failed. |
| Primary Actors | Page Admin. |
| Trigger | User admin clicks on “post” after enters the post content. |
| Main Flow | |  |  | | --- | --- | | Step | Action | | 1 | User admin Writes his post in the page. | | 2 | User admin clicks on “Post” | | 3 | The post is shown in the page and newsfeed. | |